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57-2077. Large scale operation of the dictaphone.  
Elektrotech. Z., 53, no.9, p.204-205, March 3,  
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fur Luftfahrt E. V., by H. Fassbender, 18 pp.

GERMAN, per, Elektrotech Z, Vol LVI, No 32,  
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SLA Tr 57-2414

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Natural Vibrations in Circuits With Saturated Iron Core Choked Supplied by Alternating Current, by W. Hahnle, 16 pp.

GERMAN, per, Elektrotech Z, Vol LII, 1931, p 1432.

SLA 58-137

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A Multiple Cathode-Ray Oscillograph, by Max Knoll,  
7 pp.

GERMAN, Per, Elektrotechnische Zeitschrift,  
Vol XLVI, 17 Nov 1932, pp 1101-1103.

S.L.A. Tr 742/1956  
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Large-Scale Operation of the Dictaphone, by  
S. Begun, 6 pp.

GERMAN, per, Elektrotech Z., Vol LIII, No 9,  
3 Mar 1932, pp 204, 205.

SLA Tr 57-2077

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Fast Service in Toll Traffic and the Combined  
Line and Recording Method, by A. Capek, 37 pp.  
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GERMAN, per, Elektrotech Z. Vol LIV, No 32,  
10 Aug 1933, pp 774-777; No 34, 24 Aug 1933,  
pp 815-818.

SLA Tr 57-2043

Sci - Elec Engr  
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Carrier-Frequency Telephony on Several Two-Wire  
Circuits on the Same Pole, by R. Feldtkeller, 13 pp.

GERMAN, per, Elektrotech Z, Vol LIV, No 42, 19 Oct  
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SLA Tr 57-2096

Sci  
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Communication during the First Half of  
1934, by F. Gladenbeck, 13 pp.

GERMAN, per, Elektrotech Z., Vol LV, No  
41, 11 Oct 1934, pp 997-999.

SLA 57-3345

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72, 32/

Broadcast Transmitters Operating on the Same  
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GERMAN, per, Elektrotech Z., Vol LV, No 45, 8 Nov  
1934, pp 1097-1100.

SLA 57-3247

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Modern Storage Batteries, by O. Clemens, 15 pp.

GERMAN, per, Elektrotech Z. Vol LVI, No 3,  
Jan 1935, pp 49-52.

SLA Tr 57-914

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Sci - Electronics  
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Fired Radio, by F. Gladenbeck, 8 pp.

GERMAN, per Elektrotech Z., Vol ~~XVII~~ LVI, No 6, 7 Feb  
1935, pp 121-122.

SLA 57-3249

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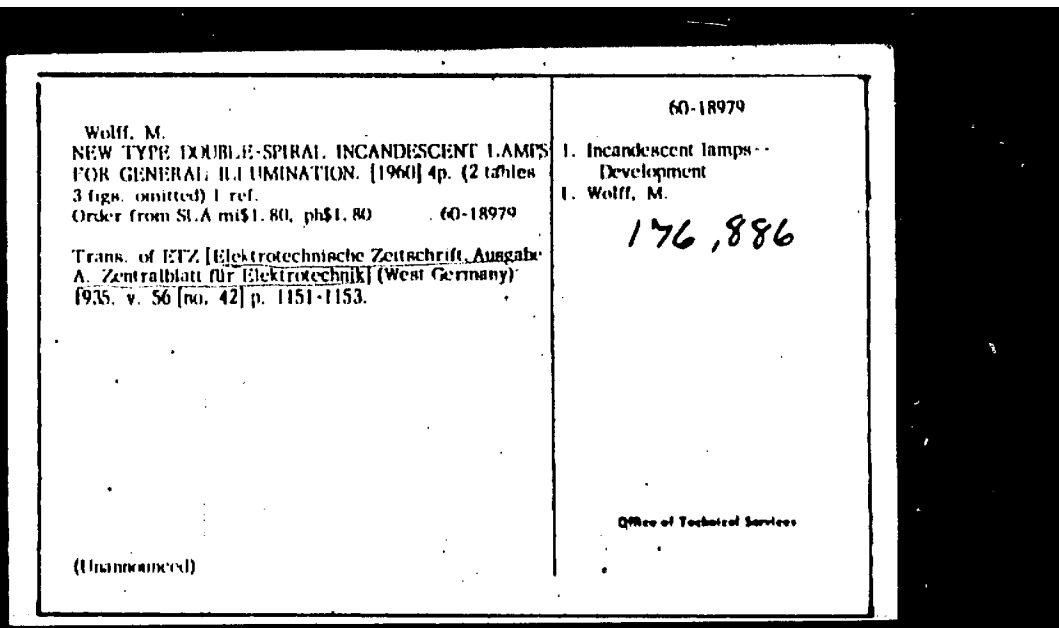
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GERMAN, per, Elektrotech Z, Vol LVI, No 20, 16 May  
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SIA Tr 57-2193

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Communication in the First Half of 1935, by P.  
Gladenbeck, 8 pp.

GERMAN, per, Elektrotech Z., Vol <sup>L</sup>XVI, No 50, 12  
Dec 1935, pp 1355-1356.

SLA 57-3250

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The Retardation Curves of Rotating Machines and  
Their Evaluation, by Fritz Reinhardt.

GERMAN, per, Elektrotechnische Z, Vol LVII, No 11,  
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Sci - Engr  
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On a Magnetic Power-Supply Voltage Control Unit,  
by R. Greiner, 13 pp.

GERMAN, per, Elektrotech Z., Vol LVII, No 18, 30  
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Sci - Electron

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Harmonics, Ripple and Interference Voltage  
in Converters, by H. Jungmichl  
GERMAN, per, Elektrotechn. Zeit, Vol 58,  
No 16, 1937, pp 417-420.  
NLL Ref: 3774.5 (1725)

Sci-Electronics  
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Effect of the Capacities of the System on the Higher  
Harmonics in Rectifier Plants, by K. Aymanns, 42 pp.

GERMAN, per, Elektrotech Z., Vol LVIII, No 19,  
13 May 1937, pp 499-503; No 20, 20 May 1937,  
pp 535-538.

SLA Tr 57-627

Sci - Electricity  
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Cellophane for Insulation of Conductors, 3 pp.

GERMAN, per, Elektrotechnische Z, Vol LVIII, 1937,  
pp 767.

SLA 59-10582

Sci - Engr  
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Vol 2, No 1

97902

Protection of Communication Plants Against  
Thunderstorms by Overvoltage Protectors, by W.  
Peters and E. Schulz, 29 pp

GERMAN, per, Elektrotech Z., Vol LVIII, No 42, pp  
1129-1133, 21 Oct 1937 and No 43, pp 1158-1160,  
28 Oct 1937.

SLA 57-2270

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Hoffmann, F.  
CARBON-PRESSURE RESISTANCES. 20 Nov 47, 14p.  
(figs. refs. omitted).  
Order from SLA \$1.60

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Ausgabe A. Zentralblatt für Elektrotechnik] (Germany)  
1937, v. 58 [no. 41/42] p. 1111-1115 and 1138-1142.

DESCRIPTORS: \*Carbon resistors, Pressure, \*Resistors, Carbon, Materials, Electrical properties,  
\*Mechanical properties.

(Engineering--Electrical, TT, v. 9, no. 10)

Office of Technical Services

A Simple D-C Measuring Transformer With Real  
Transformer Characteristics, by W. Kramer, 15 pp.

GERMAN, EIZ Elektrotechnische Zeitschrift, Vol  
LVIII, No 49, 1937, pp ~~59-10943~~ 1309-1313

SLA 59-10943

Sci - Electronics  
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The Present State of Optical Telephony, by  
H. Kohler, 19 pp.

GERMAN, per, Elektrotech Z, Vol LIX, No 28,  
1 Dec 1938, pp 1285-1289.

SLA 57-2147

May 58

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A New D-C Voltage Measuring Transformer for  
Measuring High D-C Voltages, by Werner Kramer, 13 pp

GERMAN, per, Elektrotech Z, Vol LIX, No 48, 1938,  
pp 1295-1298.

SIA 59-10996

Sci - Electricity  
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Circuits for Piezo-Electric Quartz Oscillators and  
Resonators for Frequency Stabilization and as Selective  
Means, 7 pp.

GERMAN, per, Elektrotech Z, Vol LIX, No 48, 1 Dec 1938,  
pp 1311-1312.

SLA 57-1564

Sci  
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Processes in Fuses Subjected to Surge Currents, by  
J. Wrana, 6 pp.

GERMAN, per, Elektrotech Z, Vol LIX, 1938, pp 11.

SLA 57-1418

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Experiments With Heavy Surge-Currents, by R.  
Foltzik, 15 pp.

GERMAN, per, Elektrotech Z, Vol LX, 1939,  
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24 Feb 61

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Physical Explanation of the Magnetisation of  
Ferromagnetic Materials, by Martin Kersten, 30 p.

GERMAN, IZZ Elektrotech Zeit., 1939, Vol LX, No 17,  
pp 498-503. and No 18, pp 532-538

SLA 59-20381

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Physical Explanation of the Magnetization of  
Ferromagnetic Materials, by Martin Kersten, 30 p.

GERMAN, ETZ Elektrotech Zeit, 1939, Vol LX, No 17,  
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SLA 59-20381

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The Influence of the Inherent Inductance of Metal  
Wound Capacitors on their Impedance, by L. Linder,  
J. Schindler Schniedermann, 18 pp.

GERMAN, per, Elektrotechnische Z, Vol IX, No 27,  
1939, pp 793-798.

Sci - Electricity  
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45, 243

Dimensioning the Insulation of High Voltage  
Installations, by W. Esteroff, 34 pp.

GERMAN, per, Elektrotech Z, Vol LX, Jul 1939,  
pp 825-831.

SLA Tr 57-1075

Sci - Electronics  
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Direct Lighting Hit on High Tension Open Wires  
and Experiences with Diving Rod Investigations,  
by W. Baumeister, 7 pp.

GERMAN, per, Elektrotech Z., 27 Jul 1939,  
p. 892-896.

SLA 57-3516

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Ionization Surfaces and Their Action in  
Electrical Gas Purification, by G. Brion,  
10pp  
GERMAN, per, Elektrotechnische Zeitschrift,  
1939, Vol 60, pp 1113-1115  
SIA TT-64-16206

Sci - Phy  
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Operating of High Tension Insulators in Operation,  
by J. Bistorff, W. Weber.

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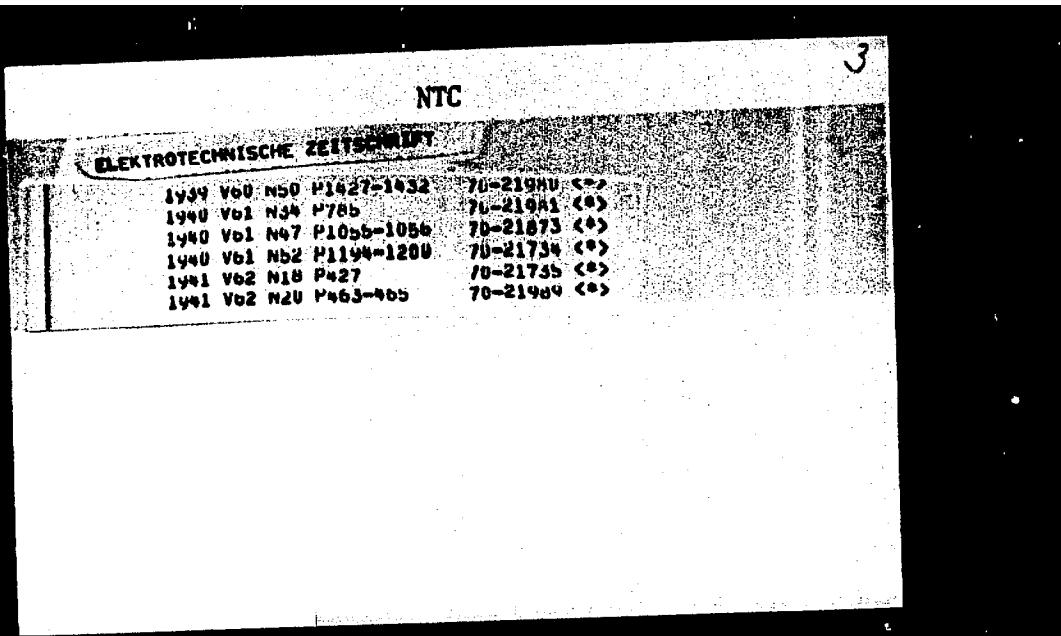
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Gesucht, por, Elekrotechnische Z., Vol LVI,  
no 1966, pp 322-327.

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Set-Zagr  
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Recent Experiments with Conductors and Cables  
Insulated and Sheathed with Plastic Materials,  
by H. Berger, 10 pp.

GERMAN, per, Elektrotech Z., Vol LXI, No 5,  
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SLA Tr 57-2244

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Wire and Cable Insulated With Very Thin Foil,  
by W. Fischer, 6 pp.

GERMAN, per, Elektrotech Z., Vol LXI, No 8,  
22 Feb 1940, pp 163-165.

SIA Tr 57-2376

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Siemens-Hell Writer, by F. Berck, 6 p.

GERMAN, per, ~~EEZ~~ Elektrotech Zeit Ausgabe A.  
Zentralblatt fur Elektrotech, 1960, Vol LXXI,  
No 10, pp 237-240.

SLA 59-20382

Sci  
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Electromagnetic Hollow Space Resonators in  
Short Wave Engineering, by F. Borgnis, 15 pp.

GERMAN, per, Elektrotech Z., Vol LXI, No 21,  
23 May 1940, pp 461-463.

SIA Tr 57-345

Sci - Electronics  
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Modern Condensers in Communication Engineering  
and Their Development, by L. Linder, 14 p.

GERMAN, per, EMZ, Elektrotech Zeit Ausgabe A.  
Zentralblatt fur Elektrotech, 1940, Vol LXI,  
No 42, pp 945-948 and No 43, pp 969-973.

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SLA 59-20379

Sci  
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On the Substitution of Aluminum as Material for  
Cable Sheaths, by E. Emmerich, K. Buss, 21 pp.

GERMAN, per, Elektrotech Z, Vol LXI, No 49,  
Dec 1940, pp 1120-1131.

SLA Tr 57-900

Sci - Electronics  
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Koppelman, Floris.

THE QUESTION OF SOLVING THE SWITCHING PROBLEM IN CURRENT CONVERSION AND THE PRINCIPLES WHICH LED TO THE USE OF PRESSURE CONTACTS IN THE "K" CONVERTER. [1963] 42p. (figs. omitted).

Order from SLA \$4.60

63-14575

Trans. of [ETZ]. Elektrotechnische Zeitschrift [Ausgabe A. Zentralblatt für Elektrotechnik] (Germany) 1941, v. 62, no. 1, p. 3-16.

DESCRIPTORS: "Power equipment, Switching circuits, "Pressure switches, "Coils, Alternating current, Direct current.

The "K" converter, described here for the first time, serves the purpose of converting three-phase voltage into direct current voltage. It is a synchronous apparatus. (Engineering--Electrical, TT, v. 10, no. 7) (over)

63-14575

I. Koppelman, F.

Office of Technical Services

Multi-Channel Carrier Current Telephony on  
Open-Wire Lines, by F. Cornelisen, 34 pp.

GERMAN, per, Elektrotech Z, Vol LXII, No 5,  
1941, pp 85-92.

SLA Tr 57-949

Sci - Electronics  
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New Coating Materials for Insulating Enamels, by H.  
Burmeister, 4 pp.

GERMAN, per Elektrotech Z, Vol LXII, No 9, 27 Feb  
1941, pp 214, 215.

SLA 2173

Sci - Chemistry  
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53, 993

Miller, R. A. W.  
PORTABLE EQUIPMENT FOR INDUSTRIAL RADIOL-  
OGY. [1963] 8p 8refs  
Order from SLA \$1.10

TT-63-16672

Trans. of [ETZ] Elektrotechnische Zeitschrift,  
[Ausgabe A. Zentralblatt für Elektrotechnik]  
(Germany) 1941, v. 62, no. 12, p. 305-308.  
(PB-87459). (Abstract available)  
Also available from SLA as 58-982, 8p.

DESCRIPTORS: \*Radiation measurement systems,  
\*X-ray tubes, Portable, \*Radiometers, \*Dosimeters,  
Medical equipment, Wiring diagrams, Industrial  
equipment, Industrial medicine.

Wiring - diagrams for X-ray appliances, tubes and  
instruments for 2-pole operation are described. The  
single pole earthed apparatus for operating hollow  
anodes and in particular fine focus tubes are considered.  
(Engineering--Electronic, TT, v. 11, no. 4) (over)

TT-63-16672

I. Miller, R. A. W.  
II. PB-87459 superseded

Office of Technical Services

Modern Direct Current Amplifiers, by R. Koerhardt,  
G. Hüsslein, H. Rupp, 23 pp.

GERMAN, per, Elektrotech Z., Vol LXII, No 22, 29 May  
1941, pp 493-397.

SLA Tr 57-1113

Sci - Electronics  
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Status of Investigation About the Effect of  
Industrial Currents on Vital Organs, by  
K. Alvensleben.  
GERMAN, per, ETZ Elektrotechische Zeitschrift.  
Ausgabe A, Zentralblatt fuer Electrotechnik,  
Vol. 62, No. 33, pp. 706-709, 1941.  
SLA-TT-66-11364

B/M  
Sept 66

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An Improved Electrolytic Tank, by Joseph Hinspan,  
14 pp.

GERMAN, per, Elektrotech Z, Vol LXIII, 1942,  
pp 349-351.

AEC tr-3948

Sci - Electron  
Apr 60

112,970

Determination of Interference by High Tension  
Lines, by F. Conrad, 25 pp.

GERMAN, per, Elektrotechnische Zeitschrift,  
Vol LXIII, no 31/32, Aug, 13, 1942, pp 367-372.  
<sup>e17</sup>

S.L.A. Tr 105

32,778

ZEUR - Germany  
Scientific - Electricity

Construction and Operation of Climatic Testing  
Chambers for Communication Equipment, by L. Fusier,  
8 pp.

GERMAN, per, Elektrotech Z., Vol LXIV, No  
37-38, pp 507-510.

SLA 58-461

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Aug 59

95, 277

Günther, H.  
METHOD FOR THE WELDING OF LITZ-WIRE.  
19 Aug 47, 9p. (figs. tables omitted).  
Order from SLA \$1.10

62-18394

62-18394  
1. Title: Butt welding machine  
2. Title: Litz-wire  
3. Günther, H.

Trans. of [ETZ] Elektrotechnische Zeitschrift.  
[Ausgabe A. Zentralblatt für Elektrotechnik] (Germany)  
1942, v. 63, no. 49/50, p. 587-591

DESCRIPTORS: \*Wire, \*Welding, Copper wire, Electric  
wire, Spot welding, Arc welds, Electrical equipment,  
Manufacturing methods.

The method for the welding of litz-wire described above  
is one of a. c. butt-welding for the joining of litz wires  
and other current conductors having the same diameter.  
It works without flux, solder or any other supplementary  
material and requires considerably less time than the  
joining methods for multi-strand conductors so far known  
(Metallurgy, TT, v. 9, no. 4) (over)

Office of Technical Services

Platinum-Tungsten, a Precious Metal Contact  
Material of High Capacity for Use in Communication  
Engineering, by E. Doring, 6 pp.

GERMAN, per, Elektrotech Z, Vol LXIV, No 9/10,  
Mar 1943, pp 124, 125.

SLA Tr 57-881

Sci - Electronics  
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New Contacts for Electrical Engineering, by Fritz Henker, 9 pp.

GERMAN, per, Elektrotech Z, [Ausgabe A, Zentralblatt fur Elektrotechnik], Vol LXIV, No 25/26, 1943, pp 347-349.

SLA 59-15163

Sci - Chem  
Sept 59  
Vol 2, No 2

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Hetzel, W.  
MEASUREMENT OF THE ELECTRICAL PROPERTIES  
OF ENAMELED WIRE. [1962] 9p. (figs. refs.  
omitted).

Order from SLA \$1.10

62-18367

Trans. of ETZ [Elektrotechnische Zeitschrift,  
Ausgabe A. Zentralblatt für Elektrotechnik] (Germany)  
1943, v. 64 [no. 39/40] p. 529-532.

DESCRIPTORS: \*Wire, \*Enamel coatings, Electrical  
properties, Test methods, Electric wire, Insulating  
materials, Electric insulation.

Arrangement and circuit for the testing of defects, de-  
tails of the feed device for the wire, resolving power  
and sensitivity of response of a test set for determin-  
ing the number of defects as well as the measurements  
for their control are given. The term "continuous  
(Engineering--Electrical, TT, v. 9, no. 3) (over)

62-18367

I. Hetzel, W.

Office of Technical Services

Electrolytic Processes for the Preparation of Pure Metal From Ore and Crude Metal, by Gunther Hansel,  
17 pp. UNCLASSIFIED

GERMAN, per, Klektrotech Z., Vol LXIV, 1943, pp 579-  
584.

AEC Tr 3132

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55-203

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Sci - Phys  
Feb 58

<p>Dehler, H. EFFICIENCY AND ECONOMY OF PRESSED MAGNETS WITH PLASTIC BINDERS. [1962] [9]p. 6 refs. Order from SLA \$1.10</p> <p>Trans. of [ETZ] Electrotechnische Zeitschrift. (Ausgabe A. Zentralblatt für Electrotechnik). (Germany) 1944, v. 65, no. 11/12, p. 93-95. Another trans. is available from SLA mi\$1.80. ph\$1.80 as 59-15128, 18 Dec 44 [7]p.</p> <p>DESCRIPTORS: *Magnetic materials, *Magnets, Materials, Binders, Plastics, *Powder metallurgy.</p> <p>The improvement of the "Shape Efficiency" is shown by some examples, and the efficiency of the material is determined. The economy of the pressing process as well as some characteristics are likewise illustrated. (Author) (Physics--Magnetism, TT, v. 8, no. 10)</p>	<p>62-16678</p> <p>I. Dehler, H.</p> <p>62-16678</p> <p>Office of Technical Services</p>	
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Gönningen, H.

THE THERMAL LAWS OF THE PAPER D. C. CONDENSER. [1962] 10p. (figs. tables refs. omitted). Order from SLA \$1.10

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Trans. of ETZ [Elektrotechnische Zeitschrift. Ausgabe A, Zentralblatt für Elektrotechnik] (Germany) 1944 [v. 65] no. 23/24, p. 233-237.

DESCRIPTORS: \*Capacitors, \*Paper capacitors, Direct current, Operation, Construction, Thermal stresses, Electric potential, Electric insulation, Surface area, Thermal conductivity.

The thermal questions, laws and dangers are discussed; indication is given of their importance for the operation and construction of the condenser. (Author)

(Engineering--Electronic, TT, v. 9, no. 3)

62-18368

I. Gönningen, H.

Office of Technical Services

Synthetic Resin Lacquers and Enamelled Wires,  
by G. Piestorff, 10 p.

GERMAN, per, ETZ Elektrotechnische Zeit, Ausgabe  
A. Zentralblatt für Elektrotech, 1944, Vol LXV,  
No 27-40, pp 277-284.

SLA 59-20383

Sci  
Mar 60  
Vol 2, No 12

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Experiments with High-Pressure Four-Path Arc  
Values, by H. Tolazzi.

GERMAN, per, Elektrotech Z, Vol IAX, Sep 1949,  
pp 334-337.

ASLIB-GB125

Sci  
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A Highly Constant Source of Measuring Voltage, by  
H. Helke

GERMAN, per, Elektrotech Z, Vol LXXI, 1950, pp 171-172.

Nat'l Res Council Canada TT 329

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Aug CTS/DEX

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Fundamentals of a Theory of Magnetic Amplifiers, by  
W. Schilling.

GERMAN, per, Elektrotech. Z., Vol LXXI(1), Jan 1950,  
pp 7-13.

R. A. E. Farnborough  
Tr No 384

Scientific - Electronics, theory, magnetic amplifiers

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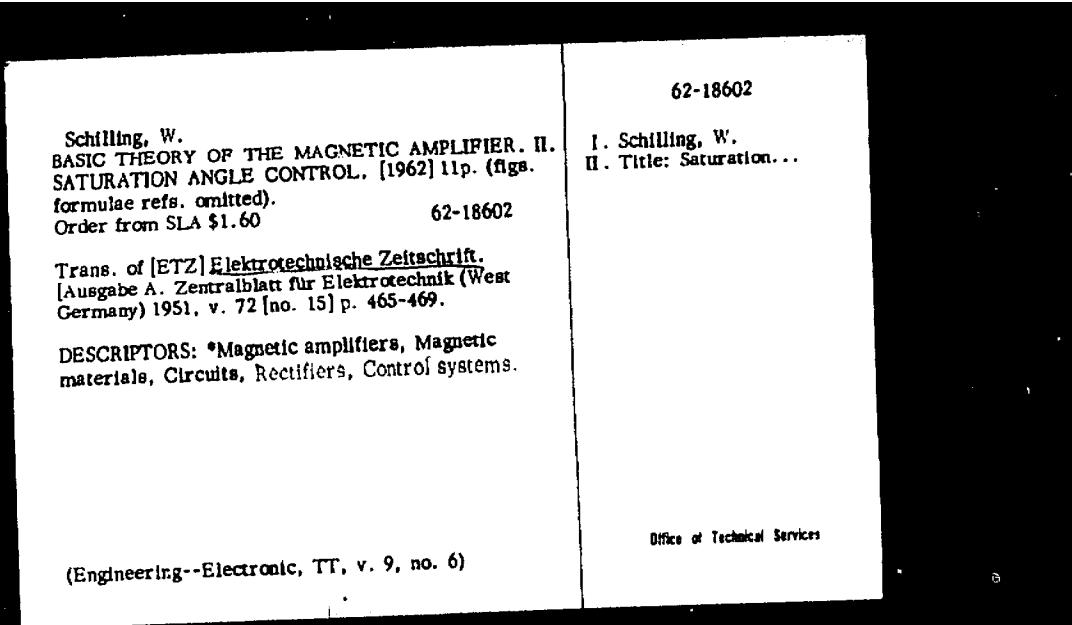
An Automatic Voltage Regulator for a Wide Range  
of Regulation, by H. Goldstein

GERMAN, per, Elektrotech Z, Vol LXXI, 1950,  
pp 191-192.

Natl Res Council Canada TF 326

Scientific - Electricity  
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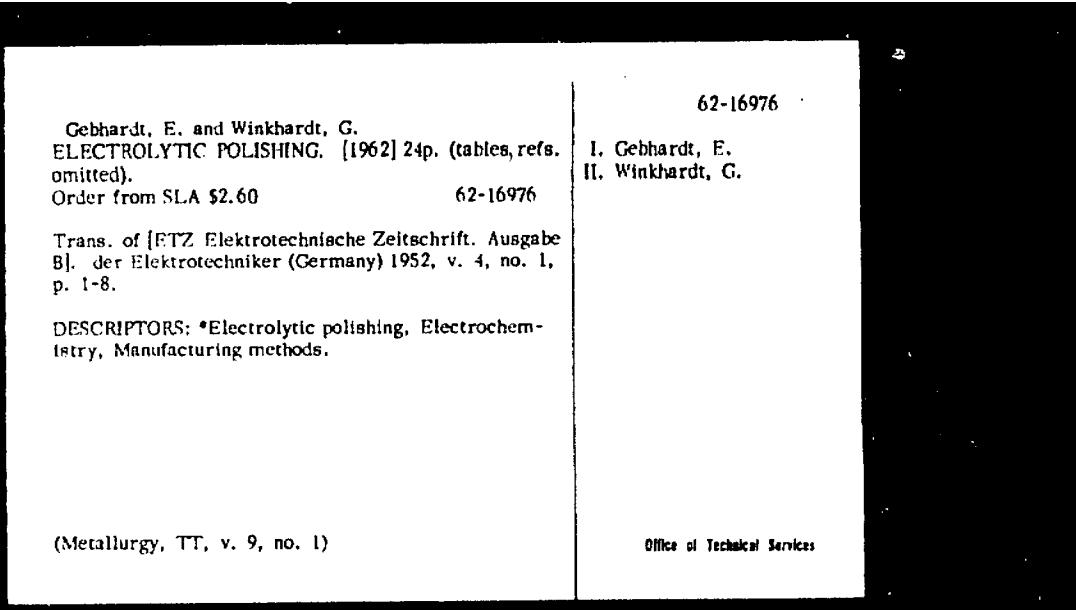
On a "Beuker" Model of Very Small Dimensions: A  
New Method for Investigating Thermal Conduction  
With the Aid of a Model, by K. H. Brokmeier

GERMAN, per, Electrotech Z, Vol LXXII, No 17, 1951,  
pp 525-528.

Aluminium Laboratories, Ltd.  
E-TM-120-53

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Scientific - Electricity  
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The Use of Hole Coupling in the Centimetre Waveband, by H. Doring, W. Klein, 11 pp.

GERMAN, per, Elektrotech Zeitschrift, Vol LXXXIII,  
No 1, 1952, pp 5-9.

CIA/FDD/Z-69

Scientific - Electronics  
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Several Problems With Unipolar Machines, by Walter  
Bussing (Buessing). UNCLASSIFIED

GERMAN, ~~EX~~ per, Elektrotechnische Zeitschrift,  
Vol LXXXIII, No 9, 1 May 1952, pp 285-287.

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Scientific - Electricity

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The Economy of Atomic Energy, by Prof Dr Eng  
Oskar Loebel, is 18 pp.

GERMAN, per, Elektrotechnische Zeitschrift, No 13,  
1 Jul 1952,

CIA/FDD X-2173

Sci - Nuclear Physics  
WB - Economy

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Method for Improving the Signal to Noise Ratio  
at the Amplifier Output, by M. J. O. Strutt,  
20 pp.

Electrotech Z,  
GERMAN, per, ~~1952~~, Vol LXXXIII, 11 Oct  
1952, pp 649-653.

SLA 57-2807

Sci  
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Electrical Analogues of the Human Voice, by F. Winckel,  
23 pp.

GERMAN, per, El<sup>ek</sup>trotech Z, Vol LXXXIII, No 22, 11 Nov  
1952, pp 708-711.

SIA 57-2422

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Subscribers' Trunk Dialling in the Telephone  
Service, by R. Fuhrer, 26 pp.

GERMAN, per, Elektrotech Z., Vol XIII, 7 Jan 1953,

SLA Tr 1997

Sci - Eng  
Jul 57

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Generalization Of the Concept Of "Time Constant",  
by F. Nechleba.  
GERMAN, per, Elektro-tech.Z., Vol 74,  
1955, pp 98-101  
CSIRO/No. 7998

Sci -  
Sep 67

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The Dielectric Properties of High-Voltage  
Cap Insulators of Toughened Glass, by Garhard  
Reverey, 11 pp.

GERMAN, per, Elektrotechnische Zeitschrift,  
Vol LXXIV, No 7, April 1953.

CSIR Tr No 201

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Sci - Elec

Apr 62

<p>Biermanns, J. COMPRESSED GAS CIRCUIT BREAKERS (Druckgas- schalter). [1963] [31p] Order from SLA \$3.60</p> <p>Trans. of [ETZ] Elektrotechnische Zeitschrift. [Ausgabe A. Zentralblatt für Elektrotechnik] (West Germany) 1953, v. 74 [no. 10] p. 281-289.</p> <p>DESCRIPTORS: *Circuit breakers, Compressed air, Gas cylinders, Design.</p> <p>(Engineering--Electrical, TT, v. 11, no. 10)</p>	<p>TT-64-10350</p> <p>I. Biermanns, J.</p> <p>Office of Technical Services</p>	
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The Preparation of Magnetisation Loops With High  
Saturation, by W. Hardus. URCL

OBRAZ, Sov., Electrotech Z, No 15, 1953, pp 446-  
448.

British Iron and Steel Inst  
(no number given)

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